PTO/SB/05 (11-00)

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UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No.		D4840 CIP			
First Inventor		Ning Lei			
Title	Fuel Injector \	Fuel Injector With Direct Needle Valve Control			
Express Mail Label No		EL 781227664 US			

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS				sistant Commiss x Patent Applica	sioner for Patents ation		
	cerning utility patent application conte			ashington, DC 2			
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)				
2. Applicant claims small entity status. See 37 CFR 1.27.			8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)				
3. Specification [Total Pages 29]			Computer Reada				
 Descriptive title 	of the invention	а. b.	Specification Sequence	e Listing on:			
	e to Related Applications arding Fed sponsored R & D		i. CD-ROM or CD-R (2 copies); or				
- Reference to se	equence listing, a table,		ii. paper				
or a computer p - Background of	program listing appendix	C.	Statements verifi	ing identity of a	bove copies		
- Brief Summary	of the Invention		ACCOMPANYING				
- Brief Description - Detailed Description	on of the Drawings (if filed)	9.	Assignment Pape				
- Claim(s)	•		37 CFR 3.73(b) S		Power of		
- Abstract of the	Disclosure	_ 10.	(when there is an		Attorney		
4. X Drawing(s) (35 U	J.S.C. 113) [Total Sheets 10	<u> </u>	English Translation	<u> </u>	applicable) Copies of IDS		
5. Oath or Declaration [Total Pages 2]			Information Discl Statement (IDS)//		Citations		
a. Newly executed (original or copy)			13. Preliminary Amendment				
Copy from a	a prior application (37 CFR 1.63 (d)) htion/divisional with Box 18 completed	_{r)} 14.	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
i. DELETION OF INVENTOR(S) Signed telegraph of the part of the par				ent(s)			
	Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR			16. Request and Certification under 35 U.S.C. 122			
1.63(d)(2) and 1.33(b).			(b)(2)(B)(i). Applicant must attach form PTO/SB/35				
or its equivalent. Certificate of Express Mail Other:					xpress Mail		
18. If a CONTINUING APPL	ICATION, check appropriate box, and	d supply the re	quisite information belov	v and in a prelim	ninary amendment,		
or in an Application Data She			of prior application No.: 09	/365 965			
Continuation	Divisional Continuation-in-part Examiner C. Miller	(CIP)	of prior application No.:				
Prior application information: For CONTINUATION OR DIVIS	IONAL APPS only: The entire disclosure	- e of the prior ar			on is supplied under		
Box 5b, is considered a part o	f the disclosure of the accompanying crelied upon when a portion has been in	ontinuation or o	livisional application and	is hereby incorpo			
the meetperation <u>earrows</u> se				ppiloution purio.			
19. CORRESPONDENCE ADDRESS Or X Correspondence address below							
	265	2					
Name	Dennis Kelly Sullivan	RK OFFICE			,		
	International Truck and Engine	Corporation	<u> </u>				
Address	4201 Winfield Rd.						
City	Warrenville	State	IL	Zip Code			
Country U.S.A. Teleph		Telephone	630/753-2311	Fax	630/753-3982		
Name (Print/Type)	Dennis Kelly Sullivan	Re	gistration No. (Attorne	eylAgent)	26,510		
Signature	Donto	ll		Date	10/22/01		
Burden Hour Statement: This form	is estimated to take 0.2 hours to complet	e Time will van	depending upon the needs	of the individual	case Any comments o		

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Approved for use through 10/31/2002. OMB 0651-0039

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)	740
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	Complet	if Kn	wn	
Application Number				
Filing Date				
First Named Inventor	r		Ning Lei	
Examiner Name				
Group Art Unit	1			
Attorney Docket No.			D4840 CIP	

METHOD OF PAYMENT	FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge indicated fees and exadit any everywhere to:	3. ADDITIONAL FEES				
indicated fees and credit any overpayments to: Deposit	Large Small				
Account 14-0603	Entity Entity Fee Fee Fee Fee Fee Description	Fac Dald			
Number Deposit	Code (\$) Code (\$)	Fee Paid			
Account Name International Truck & Engine Corp.	105 130 205 65 Surcharge - late filing fee or oath				
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet				
Applicant claims small entity status.	139 130 139 130 Non-English specification				
See 37 CFR 1.27 2. Payment Enclosed:	147 2,520 147 2,520 For filing a request for ex parte reexamination				
Check Credit card Money Other	112 920* 112 920* Requesting publication of SIR prior to Examiner action				
FEE CALCULATION	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action				
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month				
Large Entity Small Entity	116 390 216 195 Extension for reply within second month				
Fee Fee Fee Fee Description	117 890 217 445 Extension for reply within third month				
404 740 804 855 4877 67 /	118 1,390 218 695 Extension for reply within fourth month				
101 710 201 355 Utility filing fee 74.0	128 1,890 228 945 Extension for reply within fifth month				
107 490 207 245 Plant filing fee	119 310 219 155 Notice of Appeal				
108 710 208 355 Reissue filing fee	120 310 220 155 Filing a brief in support of an appeal				
114 150 214 75 Provisional filing fee	121 270 221 135 Request for oral hearing				
	138 1,510 138 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 740	140 110 240 55 Petition to revive - unavoidable				
2. EXTRA CLAIM FEES	141 1,240 241 620 Petition to revive - unintentional				
Fee from Ext <u>ra Claims below</u> Fee Paid	142 1,240 242 620 Utility issue fee (or reissue)				
Total Claims 17 -20** = 0 X 18 = 0	143 440 243 220 Design issue fee				
Independent 3 - 3** = 0 x 84 = 0	144 600 244 300 Plant issue fee				
Multiple Dependent = 0	122 130 122 130 Petitions to the Commissioner				
	123 50 123 50 Processing fee under 37 CFR 1.17(q)				
Large Entity Small Entity Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt				
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)				
102 80 202 40 Independent claims in excess of 3	146 710 246 355 Filing a submission after final rejection				
104 270 204 135 Multiple dependent claim, if not paid	(37 ČFR § 1.129(a))				
109 80 209 40 ** Reissue independent claims over original patent	149 710 249 355 For each additional invention to be examined (37 CFR § 1.129(b))				
110 18 210 9 ** Reissue claims in excess of 20	179 710 279 355 Request for Continued Examination (RCE)				
and over original patent	169 900 169 900 Request for expedited examination of a design application				
SUBTOTAL (2) (\$) 0	Other fee (specify)				
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	0			

SUBMITTED BY					Complete (if applicable)	
Name (Print/Type)	Dennis Kelly Sullivan	Registration No. (Attorney/Agent)	26, 510	Telephone	630/753-2311	
Signature	Vom Fahll	_		Date	10/22/01	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Lei

Attorney Docket:

D4840 CIP

Entitled:

Fuel Injector With Direct Needle Valve Control

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

دي

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DATE OF DEPOSIT:

October 22, 2001

I hereby certify that this Patent Application is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX Patent Application, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Cathi Majewski